

Title (en)

Electrophotographic Photosensitive Member, Process Cartridge and Electrophotographic Apparatus

Title (de)

Elektrophotografischer Photorezeptor, Bildaufzeichnungsgerät und Prozesskartusche

Title (fr)

Photoconducteur électrophotographique organique, appareil électrophotographique et cartouche de traitement

Publication

EP 1394617 B1 20061213 (EN)

Application

EP 03019487 A 20030828

Priority

- JP 2002253631 A 20020830
- JP 2003297680 A 20030821

Abstract (en)

[origin: EP1394617A2] An electrophotographic photosensitive member is provided having a support and a photosensitive layer provided on the support and containing at least one kind of charge-transporting material which has a specific structure with a molecular weight of from 1,500 to 4,000, and is held in a proportion of from 90% by weight to 100% by weight based on the total weight of the charge-transporting material.

IPC 8 full level

G03G 5/06 (2006.01); **C07C 211/54** (2006.01); **C07C 217/92** (2006.01); **C07C 323/37** (2006.01); **C07D 307/91** (2006.01); **C07D 333/76** (2006.01); **G03G 5/05** (2006.01); **G03G 5/07** (2006.01)

CPC (source: EP US)

G03G 5/0605 (2013.01 - EP US); **G03G 5/0607** (2013.01 - EP US); **G03G 5/0609** (2013.01 - EP US); **G03G 5/0629** (2013.01 - EP US); **G03G 5/071** (2013.01 - EP US); **G03G 5/075** (2013.01 - EP US)

Cited by

KR101668448B1; EP1976822A4; KR20190078040A; GB2422838A; GB2422838B; DE112004002193B4; EP3401973A4; US9406886B2; WO2005049546A1; US8440324B2; US7651746B2; US10840452B2; WO2007079101A2; US9431145B2; US10121970B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1394617 A2 20040303; **EP 1394617 A3 20050105**; **EP 1394617 B1 20061213**; CN 1275101 C 20060913; CN 1495542 A 20040512; DE 60310323 D1 20070125; DE 60310323 T2 20070621; JP 2004109999 A 20040408; JP 4174391 B2 20081029; US 2005100805 A1 20050512; US 2005208402 A1 20050922; US 6994941 B2 20060207

DOCDB simple family (application)

EP 03019487 A 20030828; CN 03156121 A 20030829; DE 60310323 T 20030828; JP 2003297680 A 20030821; US 12941205 A 20050516; US 64967903 A 20030828